ABSTRACT

The present invention relates to an oxetane compound containing a (meth) acryloyl group represented by formula (1) having a high copolymerizability with compounds containing a (meth) acryloyl group, and to a production method of an oxetane compound containing a (meth) acryloyl group which is characterized by reacting an isocyanate compound having a (meth) acryloyl group represented by formula (5) with an oxetane compound containing a hydroxyl group represented by formula (6).

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$$= \bigwedge_{0}^{R^{1}} A \longrightarrow NH \longrightarrow O \longrightarrow R^{3} R^{4}$$

$$(1)$$

$$= \bigwedge_{A - NCO}^{R^1} A$$
 (5)

$$HO \longrightarrow R^3 \qquad R^4 \qquad (6)$$

(In the formula, R^1 represents a hydrogen atom or a methyl group, A represents $-OR^2$ - or a bond, R^2 represents a divalent hydrocarbon group which may contain an oxygen atom in the main chain, R^3 represents a linear or branched alkylene group having 1 to 6 carbon atoms, and R^4 represents a linear or branched alkyl group having 1 to 6 carbon atoms.)